

07/17/01  
JCS984 U.S. PTO

07-18-01 A

Please type a plus sign (+) inside this box → Approved for use through 10/31/2002. OMB 0651-0032  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 24]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Pages 2]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 17 completed)
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)of prior application No. 09 858,129

Prior application information:

Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 18. CORRESPONDENCE ADDRESS

|  |   |  |  |   |
|--|---|--|--|---|
| <input type="checkbox"/> Customer Number or Bar Code Label |  |  |  | <input type="checkbox"/> or <input type="checkbox"/> Correspondence address below |
|--|---|--|--|---|

|         |                                 |           |              |          |
|---------|---------------------------------|-----------|--------------|----------|
| Name    | DOUGHERTY & CLEMENTS LLP        |           |              |          |
| Address | 6230 FAIRVIEW ROAD<br>SUITE 400 |           |              |          |
| City    | CHARLOTTE                       | State     | NC           | Zip Code |
| Country | USA                             | Telephone | 704/366-6642 | Fax      |

|                   |   |                                   |               |
|-------------------|---|-----------------------------------|---------------|
| Name (Print/Type) | GREGORY R. EVERMAN  | Registration No. (Attorney/Agent) | 47,553        |
| Signature         |  |                                   |               |
|                   |   | Date                              | JULY 17, 2001 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

JCBZ/907260  
07/17/01

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 395.00)

## Complete If Known

|                      |                |
|----------------------|----------------|
| Application Number   |                |
| Filing Date          |                |
| First Named Inventor | PAUL D. KEPPEL |
| Examiner Name        |                |
| Group Art Unit       |                |
| Attorney Docket No.  | 3173           |

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number   
Deposit Account Name

Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17

Applicant claims small entity status.  
See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description   | Fee Paid             |
|----------------------------|----------------------------|---|----------------------|
| 105                        | 130                        | 205 65 Surcharge - late filing fee or oath  | <input type="text"/> |
| 127                        | 50                         | 227 25 Surcharge - late provisional filing fee or cover sheet                     | <input type="text"/> |
| 139                        | 130                        | 139 130 Non-English specification   | <input type="text"/> |
| 147                        | 2,520                      | 147 2,520 For filing a request for ex parte reexamination                         | <input type="text"/> |
| 112                        | 920*                       | 112 920* Requesting publication of SIR prior to Examiner action                   | <input type="text"/> |
| 113                        | 1,840*                     | 113 1,840* Requesting publication of SIR after Examiner action                    | <input type="text"/> |
| 115                        | 110                        | 215 55 Extension for reply within first month                                     | <input type="text"/> |
| 116                        | 390                        | 216 195 Extension for reply within second month                                   | <input type="text"/> |
| 117                        | 890                        | 217 445 Extension for reply within third month                                    | <input type="text"/> |
| 118                        | 1,390                      | 218 695 Extension for reply within fourth month                                   | <input type="text"/> |
| 128                        | 1,890                      | 228 945 Extension for reply within fifth month                                    | <input type="text"/> |
| 119                        | 310                        | 219 155 Notice of Appeal  | <input type="text"/> |
| 120                        | 310                        | 220 155 Filing a brief in support of an appeal                                    | <input type="text"/> |
| 121                        | 270                        | 221 135 Request for oral hearing  | <input type="text"/> |
| 138                        | 1,510                      | 138 1,510 Petition to institute a public use proceeding                           | <input type="text"/> |
| 140                        | 110                        | 240 55 Petition to revive - unavoidable   | <input type="text"/> |
| 141                        | 1,240                      | 241 620 Petition to revive - unintentional  | <input type="text"/> |
| 142                        | 1,240                      | 242 620 Utility issue fee (or reissue)  | <input type="text"/> |
| 143                        | 440                        | 243 220 Design issue fee  | <input type="text"/> |
| 144                        | 600                        | 244 300 Plant issue fee   | <input type="text"/> |
| 122                        | 130                        | 122 130 Petitions to the Commissioner   | <input type="text"/> |
| 123                        | 50                         | 123 50 Processing fee under 37 CFR 1.17(q)  | <input type="text"/> |
| 126                        | 180                        | 126 180 Submission of Information Disclosure Stmt                                 | <input type="text"/> |
| 581                        | 40                         | 581 40 Recording each patent assignment per property (times number of properties) | 40.00                |
| 146                        | 710                        | 246 355 Filing a submission after final rejection (37 CFR § 1.129(a))             | <input type="text"/> |
| 149                        | 710                        | 249 355 For each additional invention to be examined (37 CFR § 1.129(b))          | <input type="text"/> |
| 179                        | 710                        | 279 355 Request for Continued Examination (RCE)                                   | <input type="text"/> |
| 169                        | 900                        | 169 900 Request for expedited examination of a design application                 | <input type="text"/> |
| Other fee (specify) _____  |                            |   |                      |

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Description               | Fee Paid             |
|---------------|---------------|-------------------------------|----------------------|
| 101           | 710           | 201 355 Utility filing fee    | 355.00               |
| 106           | 320           | 206 160 Design filing fee     | <input type="text"/> |
| 107           | 490           | 207 245 Plant filing fee      | <input type="text"/> |
| 108           | 710           | 208 355 Reissue filing fee    | <input type="text"/> |
| 114           | 150           | 214 75 Provisional filing fee | <input type="text"/> |

SUBTOTAL (1) (\$ 355.00)

## 2. EXTRA CLAIM FEES

| Total Claims       | Extra Claims | Fee from below | Fee Paid             |
|--------------------|--------------|----------------|----------------------|
| Independent Claims | 8 -20** = 0  | X              | = -0-                |
| Multiple Dependent | 1 - 3** = 0  | X              | = -0-                |
|                    |              |                | <input type="text"/> |

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Description  |
|---------------|---------------|--|
| 103           | 18            | 203 9 Claims in excess of 20                                     |
| 102           | 80            | 202 40 Independent claims in excess of 3                         |
| 104           | 270           | 204 135 Multiple dependent claim, if not paid                    |
| 109           | 80            | 209 40 ** Reissue independent claims over original patent        |
| 110           | 18            | 210 9 ** Reissue claims in excess of 20 and over original patent |

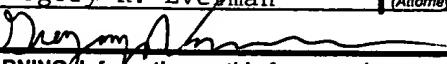
SUBTOTAL (2) (\$ -0-)

\*or number previously paid, if greater; For Reissues, see above

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ 40.00)

## SUBMITTED BY

Complete (if applicable)

|                   |   |                                   |               |           |                |
|-------------------|---|-----------------------------------|---------------|-----------|----------------|
| Name (Print/Type) | Gregory R. Everman  | Registration No. (Attorney/Agent) | 47,553        | Telephone | (704) 366-6642 |
| Signature         |  |                                   |               |           |                |
|                   |   | Date                              | July 17, 2001 |           |                |

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Docket 3173

Certificate of Mailing by "Express Mail"

I, Lynda R. Williams, do hereby certify that the foregoing or attached documents are being deposited with the United States Postal Service as Express Mail, postage prepaid, in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on July 17, 2001.

  
Lynda R. Williams

Name: Lynda R. Williams

Express Mail Label No.: EL668828278US

July 17, 2001

Date of Deposit

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